

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Populus balsamifera*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(-)CURCUMENE	Plant	--	--		
0	1-P-COUMAROYL-BETA-D-GLUCOSE	Leaf	--	--		
0	11-EICOSANIC-ACID	Bark	--	--		
0	2',6'-DIOXY-4'-METHOXY-BETA-PHENYLPROPIOPHENONE	Essential Oil	--	--		
3	2,6-DIMETHOXY-P-BENZOQUINONE	Bark	--	--		
0	3-HYDROXY-5-PHENYLVALERIC-ACID	Leaf	--	--		
6	ACETOPHENONE	Essential Oil	--	--		
3	AR-CURCUMENE	Plant	--	--		
0	AZELAINIC-ACID	Bark	--	--		
1	BEHENIC-ACID	Bark	--	--		
0	BETA-PHENYLETHYLALCOHOL	Essential Oil	--	--		
0	BISABOLENE	Essential Oil	--	--		
0	BISABOLOL	Essential Oil	--	--		
4	CADINENE	Essential Oil	--	--		
102	CAFFEIC-ACID	Essential Oil	--	--		
31	CARYOPHYLLENE	Plant	--	--		
0	CEROTINIC-ACID	Bark	--	--		
0	CINEOLE	Plant	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
18	CINNAMIC-ACID	Leaf	--	--		
3	CINNAMIC-ALCOHOL	Essential Oil	--	--		
0	CURCUMENE	Plant	--	--		
4	D-CATECHIN	Leaf	--	--		
0	DIHYDROMYRICETIN	Bark	--	--		
2	FARNESENE	Essential Oil	--	--		
0	GENTISIC-ACID-BENZYLESTER	Essential Oil	--	--		
2	HUMULENE	Plant	--	--		
0	LIGNOCERIC-ACID-ESTER	Bark	--	--		
0	LINOLENIC-ACID-ESTER	Bark	--	--		
0	N-HEPTACOSANE	Plant	--	--		
1	N-NONACOSANE	Plant	--	--		
0	N-PENTACOSANE	Plant	--	--		
0	OLEIC-ACID-ESTER	Bark	--	--		
0	OMEGA-SALICYLOYL-SALICIN	Leaf	--	--		
25	P-COUMARIC-ACID	Leaf	--	--		
0	PALMITIC-ACID-ESTER	Bark	--	--		
0	PALMITOLEIC-ACID-ESTER	Bark	--	--		
1	POPULIN	Plant	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	POPULOSIDE	Bark	--	--		
0	PYROCATECHIN	Leaf	--	--		
0	QUERCETIN-3,7-DIMETHYLETHER	Bark	--	--		
15	SALICIN	Leaf Essent. Oil	--	--		
1	SALICORTIN	Bark	--	--		
1	SALICORTIN	Leaf	--	--		
0	SALICYL-ALCOHOL	Leaf	--	--		
0	SALICYLOYL-SALICIN	Bl	--	--		
0	SALICYLOYL-SALICIN	Bark	--	--		
0	SALIREPOSIDE	Bark	--	--		
2	TRICHOCARPIN	Leaf	--	--		
0	TRICHOCARPOSIDE	Bark	--	--		